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## IN THE CLAIMS

Claims 1-61 (canceled)

- 62. (currently amended) A process for preparing an electrosterically stabilized polyurethane dispersion comprising
- a) preparing a hydrophilic and solvent-free macromonomer (A)(ii) with monomodal molecular mass distribution by
- a<sub>i</sub>) reacting 50 to 100 parts by weight of a hydrophilic alkyl- or arylpolyalkylene glycol (A)(i) with 1 to 100 parts by weight of a polyisocyanate component (B)(i), optionally in the presence of a catalyst, in the absence of solvents, the reaction conditions and the selectivities of components (A)(i) and (B)(i) being chosen such that only one isocyanate group of component (B)(i) reacts with component (A)(i), and subsequently
- parts by weight of a compound (C) having two or more primary amino groups, secondary amino groups or hydroxyl groups which are reactive toward isocyanate groups and having a molecular mass of 50 to 500 daltons, in the absence of solvents, the reaction conditions and the selectivity of component (C) heing chosen such that only one reactive group of component (C) reacts with the free isocyanate group(s) of the preadduct, and
  - b) preparing the polyurethane dispersion by
- b<sub>1</sub>) reacting 2 to 50 parts by weight of the hydrophilic and solvent-free macromonomer (A)(ii) with 25 to 250 parts by weight of the polyisocyanate component (B)(i), optionally in the presence of 0 to 50 parts by weight of a solvent component (D) and also of a catalyst,

- b<sub>2</sub>) reacting the polyurethane preadduct from stage b<sub>1</sub>) with 50 to 100 parts by weight of a polymeric polyol (A)(iii) and optionally with 0.5 to 10 parts by weight of a low molecular mass polyol component (A)(iv), optionally in the presence of a catalyst,
- $b_3$ ) reacting the homogeneous polyurethane preadduct from stage  $b_2$ ) with 2 to 20 parts by weight of a polyol component (A)(v), optionally in the presence of a catalyst,
- b<sub>4</sub>) admixing the homogeneous polyurethane prepolymer from stage b<sub>3</sub>), before or during dispersion in 50 to 1500 parts by weight of water, with 2 to 20 parts by weight of a neutralizing component (E),
- b<sub>5</sub>) dispersing the optionally (partially) neutralized polyurethane prepolymer from stage b<sub>4</sub>) in 50 to 1500 parts by weight of water, which optionally further contains 0 to 100 parts by weight of a formulating component (F), and finally
- b<sub>6</sub>) reacting the (partially) neutralized polyurethane prepolymer dispersion from stage b<sub>5</sub>) with 3 to 60 parts by weight of a chain extender component (G) and also, subsequently or simultaneously, with 0 to 30 parts by weight of a chain stopper component (H).
- 63. (previously presented) The process of claim 62, wherein in reaction stage a<sub>1</sub>) component (B)(i) is metered into component (A)(i), or component (A)(i) is metered into component (B)(i).
- 64. (previously presented) The process of claim 62, wherein reaction stages a<sub>1</sub>) and a<sub>2</sub>) are carried out at a temperature of 10 to 30°C.
- 65. (previously presented) The process of claim 62, wherein reaction stages b<sub>1</sub>), b<sub>2</sub>) and b<sub>3</sub>) are carried out at a temperature of 60 to 120°C.
- 66. (previously presented) The process of claim 62, wherein reaction stages b<sub>4</sub>) and b<sub>5</sub>) are carried out at a temperature of 40 to 60°C.

- 67. (previously presented) The process of claim 62, wherein reaction stage b<sub>6</sub>) is carried out at 30 to 50°C.
- 68. (previously presented) The process of claim 62, wherein following reaction stage b<sub>6</sub>) any free NCO groups still present are completely chain-extended with water.

Claims 69-85 (canceled)